

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A radio communication system ~~capable of~~ for making connection in code division multiple access (CDMA) radio communication between a ~~base~~ first station and a ~~mobile~~ second station, for controlling a transmission power level in ~~one of said base station and said mobile~~ the first station in accordance with a reception power level in the ~~other~~ second station, said radio communication system comprising:

a detector configured to detect a fluctuation rate of a transmission path; and

a controller configured to average a reception power level in a transmission signal of said ~~one~~ first station received by said ~~other~~ second station with a predetermined cycle and for controlling the transmission power level in said ~~one~~ first station in accordance with said averaged reception power level, when the fluctuation rate detected by said detector is equal to or higher than a first threshold value and lower than a second threshold value, and to average the reception power level of the transmission signal of said ~~one~~ first station received by said ~~other~~ second station with a cycle longer than said predetermined cycle and for controlling the transmission power level in said ~~one~~ first station in accordance with said averaged reception power level, when the fluctuation rate detected by said detector is lower than the first threshold value, or is equal to or higher than the second threshold value.

2. (Currently amended) A radio communication system ~~capable of~~ for making connection in code division multiple access (CDMA) radio communication between a base station and a mobile station, for controlling a transmission power level in said mobile station in accordance with a reception power level in said base station, said radio communication system comprising:

a detector configured to detect a fluctuation rate of a transmission path; and

a controller configured to average a reception power level in a transmission signal of said mobile station received by said base station with a predetermined cycle and for controlling the transmission power level in said mobile station in accordance with said averaged reception power level, when the fluctuation rate detected by said detector is equal to or higher than a first threshold value and lower than a second threshold value, and for averaging the reception power level of the transmission signal in said mobile station received by said base station with a cycle longer than said predetermined cycle and for controlling the transmission power level of said mobile station in accordance with said averaged reception power level, when the fluctuation rate detected by said detector is lower than the first threshold value, or is equal to or higher than the second threshold value.

3. (Currently amended) A radio communication system ~~capable of~~ for making connection in code division multiple access (CDMA) radio communication between a base station and a mobile station, for controlling a transmission power level of said base station in accordance with a reception power level in said mobile station, said radio communication system comprising:

a detector configured to detect a fluctuation rate of a transmission path; and

a controller configured to average a reception power level of a transmission signal in from said base station received by said mobile station with a predetermined cycle and for controlling the transmission power level of said base station in accordance with said averaged reception power level, when the fluctuation rate detected by said detector is equal to or higher than a first threshold value and lower than a second threshold value, and for averaging the reception power level of the transmission signal in said base station received by said mobile station with a cycle longer than said predetermined cycle and for controlling the transmission power level of said base station in accordance with said averaged reception power level, when the fluctuation rate detected by said detector is lower than the first threshold value, or is equal to or higher than the second threshold value.

4. (Currently amended) A transmission power controlling method for use in a radio communication system allowing a ~~base~~ first station to make code division multiple access (CDMA) radio communication with a ~~mobile~~ second station, for controlling a transmission power level in ~~one of said base station and said mobile~~ the first station in accordance with a reception power level in the ~~other of said base station and said mobile~~ second station, said transmission power controlling method comprising the steps of:

detecting a fluctuation rate of a transmission path; and

averaging a reception power level of a transmission signal ~~in from~~ said ~~one~~ first station received by said ~~other~~ second station with a predetermined cycle and controlling the transmission power level of said ~~one~~ first station in accordance with said averaged reception power level, when the fluctuation rate detected at said detecting step is equal to or higher than a first threshold value and lower than a second threshold value, and averaging the reception power level of the transmission signal in said ~~one~~ first station received by said ~~other~~ second station with a cycle longer than said predetermined cycle and controlling the transmission power level of said ~~one~~ first station in accordance with said averaged reception power level, when the fluctuation rate detected at said detecting step is lower than the first threshold value, or is equal to or higher than the second threshold value.

5. (Currently amended) A transmission power controlling method for use in a radio communication system allowing a base station to make code division multiple access (CDMA) radio communication with a mobile station, for controlling a transmission power level in said mobile station in accordance with a reception power level in said base station, said transmission power controlling method comprising the steps of:

detecting a fluctuation rate of a transmission path; and

averaging a reception power level of a transmission signal ~~in~~ from said mobile station received by said base station with a predetermined cycle and controlling the transmission power level in said mobile station in accordance with said averaged reception power level, when the fluctuation rate detected at said detecting step is equal to or higher than a first threshold value and lower than a second threshold value, and averaging the reception power level of the transmission signal in said mobile station received by said base station with a cycle longer than said predetermined cycle and controlling the transmission power level of said mobile station in accordance with said averaged reception power level, when the fluctuation rate detected at said detecting step is lower than the first threshold value, or is equal to or higher than the second threshold value.

6. (Currently amended) A transmission power controlling method, for use in a radio communication system allowing a base station to make code division multiple access (CDMA) radio communication with a mobile station, for controlling a transmission power level of said base station in accordance with a reception power level of said mobile station, said transmission power controlling method comprising the steps of:

detecting a fluctuation rate of a transmission path; and

averaging a reception power level of a transmission signal ~~in~~ from said base station received by said mobile station with a predetermined cycle and controlling the transmission power level in said base station in accordance with said averaged reception power level, when the fluctuation rate detected at said detecting step is equal to or higher than a first threshold value and lower than a second threshold value, and averaging the reception power level of the transmission signal in said base station received by said mobile station with a cycle longer than said predetermined cycle and controlling the transmission power level in said base station in accordance with said averaged reception power level, when the fluctuation rate detected at said detecting step is lower than the first threshold value, or is equal to or higher than the second threshold value.

7. (Canceled)

8. (Currently amended) A mobile communication terminal for making code division multiple access (CDMA) radio communication with a base station, measuring a reception power level of a transmission signal from said base station and allowing said base station to control a transmission power level in said ~~radio-communication~~ base station in accordance with said measured reception power level, said mobile communication terminal comprising:

a first detector configured to detect a fluctuation rate of a transmission path with said base station;

a second detector configured to average the reception power level of the transmission signal ~~in~~ from said base station with a predetermined cycle, when the fluctuation rate detected by said first detector is equal to or higher than a first threshold value and lower than a second threshold value, and for averaging the reception power level of the transmission signal ~~in~~ from said base station with a cycle longer than said predetermined cycle, when the fluctuation rate detected by said first detector is lower than the first threshold value, or is equal to or higher than the second threshold value; and

a transmitter configured to transmit information based on the reception power level obtained by said second detector to said base station.

9. (Currently amended) A base station apparatus for making code division multiple access (CDMA) radio communication with a mobile station, measuring a reception power level of a transmission signal from said mobile station and allowing said mobile station to control a transmission power level in said ~~radio-communication~~ base station in accordance with said measured reception power level, said base station apparatus comprising:

a first detector configured to detect a fluctuation rate of a transmission path with said mobile station;

a second detector configured to average the reception power level of the transmission signal ~~in~~ from said mobile station with a predetermined cycle, when the fluctuation rate detected by said first detector is equal to or higher than a first threshold value and lower than a second threshold value, and for averaging the reception power level of the transmission signal in said mobile station with a cycle longer than said predetermined cycle, when the fluctuation rate detected by said first detector is lower than the first threshold value, or is equal to or higher than the second threshold value; and

a transmitter configured to transmit information based on the reception power level obtained by said second detector to said mobile station.

10. (Currently amended) A transmission power controlling method for use in a radio communication station making code division multiple access (CDMA) radio communication, for measuring a power level in a reception signal by said radio communication station and controlling a transmission power level in a transmitting station transmitting said received signal in accordance with said measured reception power level, said transmission power controlling method comprising:

a first detection step of detecting a fluctuation rate of a transmission path with said radio communication station;

a second detection step of averaging the reception power level of the transmission signal in said radio communication station with a predetermined cycle, when the fluctuation rate detected at said first detection step is equal to or higher than a first threshold value and lower than a second threshold value, and averaging the reception power level of the transmission signal in said radio communication station with a cycle longer than said predetermined cycle, when the fluctuation rate detected at said first detection step is lower than the first threshold value, or is equal to or higher than the second threshold value; and

a transmission step of transmitting information based on the average reception power level obtained at said second detection step to said radio communication station.

11. (Currently amended) A transmission power controlling method for use in a mobile station which is connected to a base station by code division multiple access (CDMA) radio communication, for measuring a power level of a signal received from said base station and controlling a transmission power level of said base station in accordance with said measured reception power level, said transmission power controlling method comprising:

a first detection step of detecting a fluctuation rate of a transmission path with said base station;

a second detection step of averaging the reception power level of the transmission signal in said base station with a predetermined cycle, when the fluctuation rate detected at said first detection step is equal to or higher than a first threshold value and lower than a second threshold value, and averaging the reception power level of the transmission signal in said base station with a cycle longer than said predetermined cycle, when the fluctuation rate detected at said first detection step is lower than the first threshold value, or is equal to or higher than the second threshold value; and

a transmission step of transmitting information based on the reception power level obtained at said second detection step to said base station.

12. (Currently amended) A transmission power controlling method for use in a base station connected to a mobile station by code division multiple access (CDMA) radio communication, for measuring a power level of a signal received from said mobile station and controlling a transmission power level of said mobile station in accordance with said measured reception power level, said transmission power controlling method comprising:

a first detection step of detecting a fluctuation rate of a transmission path with said mobile station;

a second detection step of averaging the reception power level of the transmission signal in said mobile station with a predetermined cycle, when the fluctuation rate detected at said first detection step is equal to or higher than a first threshold value and lower than a second threshold value, and averaging the reception power level of the transmission signal in said mobile station with a cycle longer than said predetermined cycle, when the fluctuation rate detected at said first detection step is lower than the first threshold value, or is equal to or higher than the second threshold value; and

a transmission step of transmitting information based on the reception power level obtained at said second detection step to said mobile station.

13. (New) A communication terminal for making code division multiple access (CDMA) radio communication with another communication terminal, said another communication terminal determining a first cycle as a control cycle when a fluctuation rate of a transmission path between said two communication terminals is equal to or higher than a first threshold value and lower than a second threshold value and determining a second cycle longer than the first cycle as the control cycle when the detected fluctuation rate is lower than the first threshold value, or equal to or higher than the second threshold value, said communication terminal comprising:

a first detector configured to detect the control cycle determined by said another communication terminal;

a second detector configured to detect an average reception power level of a transmission signal from said another communication terminal with the detected control cycle; and

a transmitter configured to transmit information based on the detected average reception power level to said another communication terminal to allow said another communication terminal to control the transmission power level.

14. (New) A communication terminal for making code division multiple access (CDMA) radio communication with another communication terminal, said another communication terminal detecting an average reception power level of a transmission signal from said communication terminal and transmitting the detected average reception power level to said communication terminal, said communication terminal comprising:

a first detector configured to detect a fluctuation rate of a transmission path between said two communication terminals;

means for determining a first cycle as a control cycle when the fluctuation rate of a transmission path is equal to or higher than a first threshold value and lower than a second threshold value and determining a second cycle longer than the first cycle as the control cycle when the detected fluctuation rate is lower than the first threshold value, or equal to or higher than the second threshold value; and

a transmitter configured to transmit the determined control cycle to said another communication terminal to allow said another communication terminal to detect the average reception power with the determined control cycle.